

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	1724	709/205.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/10 12:51
L7	643	713/163.ccls. 713/178.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/10 12:51
L8	151	network and before and prior and nodes and message and system and indicat\$5 and liveness and tim\$3	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:52
L9	0	I7 and L8	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:52
L10	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) same (status active) same timer same expir\$5 and I7	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:53
L11	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) same (status active) same timer same expir\$5	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:53
L12	1	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) same (status active)	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:53
L13	9	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4)	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:54
L14	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) and I7	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:54
L15	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) and 709/205.ccls.	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:59
L16	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) and 709/1.ccls.	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:59
L17	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) and 709/201.ccls.	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:59
L18	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) and 709/205.ccls.	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:59
S4	21	("4486853" "5307347" "5450123" "5870605" "5873084" "5953051" "5974417" "6021443" "6154781" "6182143" "6202093" "6243749" "6298455" "6334151" "6336119" "6470325" "6643682" "6728715" "6826560" "7103680" "7152094").pn.	USPAT	OR	OFF	2007/11/21 09:51

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S5	29	"20020059204" "20030090998" "20030135556" "20040205439" "20040250060" "20040250283" "20040254993" "20050021843" "20050083940" "20050135260" "20050188039" "20050210109" "20050256901" "20050268146" "20060047666" "20060069587" "20060080596" "20060085507" "20060126621" "20060136256" "20060149719" "20060167897" "20060233322" "20060277280" "20070016910" "20070043824" "20070067389" "20070067409" "20070088711"	US-PGPUB; USPAT	OR	OFF	2007/05/17 10:28
S6	1	"7158625".pn.	US-PGPUB; USPAT	OR	OFF	2007/05/15 14:01
S7	21	("4486853" "5307347" "5450123" "5870605" "5873084" "5953051" "5974417" "6021443" "6154781" "6182143" "6202093" "6243749" "6298455" "6334151" "6336119" "6470325" "6643682" "6728715" "6826560" "7103680" "7152094").pn.	USPAT	OR	OFF	2007/05/17 08:21
S8	29	"20020059204" "20030090998" "20030135556" "20040205439" "20040250060" "20040250283" "20040254993" "20050021843" "20050083940" "20050135260" "20050188039" "20050210109" "20050256901" "20050268146" "20060047666" "20060069587" "20060080596" "20060085507" "20060126621" "20060136256" "20060149719" "20060167897" "20060233322" "20060277280" "20070016910" "20070043824" "20070067389" "20070067409" "20070088711"	US-PGPUB; USPAT	OR	OFF	2007/05/17 08:21
S12	10	network and before and prior and publish\$3 and subscrib\$4 and message and system and indicat\$5 and liveness and tim\$3	USPAT	OR	OFF	2007/05/17 08:24
S13	0	(network and before and prior and publish\$3 and subscrib\$4 and message and system and indicat\$5 and liveness and tim\$3).clm.	USPAT	OR	OFF	2007/05/21 08:24
S16	7	S7 and status	US-PGPUB; USPAT	OR	OFF	2007/05/17 10:29
S17	6	S16 and active	US-PGPUB; USPAT	OR	OFF	2007/05/17 10:37
S18	11	S8 and status	US-PGPUB; USPAT	OR	OFF	2007/05/17 10:37

## EAST Search History (Prior Art)

S19	6	S18 and active	US-PGPUB; USPAT	OR	OFF	2007/05/17 10:37
S20	10	network and before and prior and publish\$3 and subscrib\$4 and message and system and indicat\$5 and liveness and tim\$3	USPAT	OR	OFF	2007/05/17 14:18
S21	10	S20 and least	USPAT	OR	OFF	2007/05/17 14:18
S22	12	"6336119"	USPAT	OR	OFF	2007/05/21 07:59
S23	71	"6336119" "6154781" "5870605"	USPAT	OR	OFF	2007/05/21 07:59
S24	18	"6336119" "6154781" "5870605".pn.	USPAT	OR	OFF	2007/05/21 07:59
S25	3	("6336119" "6154781" "5870605").pn.	USPAT	OR	OFF	2007/05/21 08:00
S26	1	"20020059204"	US-PGPUB; USPAT	OR	OFF	2007/05/21 08:00
S29	95	network and before and prior and nodes and message and system and indicat\$5 and liveness and tim\$3	US-PGPUB; USPAT	OR	OFF	2007/05/21 08:25
S30	62	S29 and status	US-PGPUB; USPAT	OR	OFF	2007/05/21 08:26
S31	730	709/205.ccls.	USPAT	OR	OFF	2007/10/30 16:50
S32	17	S31 and (subscri\$4 near5 publish\$4)	USPAT	OR	OFF	2007/10/30 16:57
S33	17	S32 and indica\$4	USPAT	OR	OFF	2007/10/30 16:56
S34	0	S33 and livenes\$4	USPAT	OR	OFF	2007/10/30 16:52
S35	8	S33 and live\$5	USPAT	OR	OFF	2007/10/30 16:52
S36	1	S35 and timer	USPAT	OR	OFF	2007/10/30 16:52
S37	6	S31 and (subscri\$4 near5 publish\$4) and statu\$4 and live\$5	USPAT	OR	OFF	2007/10/30 17:01
S38	40	timer and (subscri\$4 near5 publish\$4) and statu\$4 and live\$5	USPAT	OR	OFF	2007/11/01 08:12
S39	81	statu\$4 near5 indicat\$4 and time\$4 and expire\$4 and subscrib\$4 and broker\$2 and respon\$4	USPAT	OR	OFF	2007/10/31 17:33
S40	27002	"81" and cancel\$4	USPAT	OR	OFF	2007/10/31 17:34
S41	49	S39 and cancel\$4	USPAT	OR	OFF	2007/10/31 17:34
S42	3	topic\$2 and publish\$4 and subscrib\$4 and (respon\$4 same time\$4) and (expir\$4 same cancel\$4)	USPAT	OR	OFF	2007/11/01 08:19
S43	82	publish\$4 and subscrib\$4 and (respon\$4 same time\$4) and (expir\$4 same cancel\$4)	USPAT	OR	OFF	2007/11/07 10:53
S44	1	"6937597".pn.	USPAT	OR	OFF	2007/11/05 10:24
S45	39	serve\$4 and clien\$4 and ((respon\$4 same time\$4) same (expir\$4 same cancel\$4))	USPAT	OR	OFF	2007/11/07 14:38
S46	2	"6983326"	USPAT	OR	OFF	2007/11/07 16:16
S47	1	"6594787".pn.	USPAT	OR	OFF	2007/11/07 16:16

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S48	23	((publish\$4 server\$4) near4 (subscri\$4 client\$2)) and ((indic\$4 status\$2 ) near6 live\$4) and multicast\$4 and (expir\$4 near5 time\$4)	USPAT	OR	OFF	2007/11/16 19:09
S49	32	((publish\$4 server\$4) near4 (subscri\$4 client\$2)) and ((respon\$4 status\$2 adverti\$6) near6 live\$4) and multicast\$4 and (expir\$4 near5 time\$4)	USPAT	OR	OFF	2007/11/19 09:34
S50	4	(node\$2 peer\$2 client@2 gateway\$2 station\$2 computer\$2) and (monitor\$4 statu\$2 live\$4) and (respon\$4 near5(cancel\$3 near2 time\$2)) and broker\$2	USPAT	OR	OFF	2007/11/19 09:55
S52	55	(node\$2 peer\$2 client@2 gateway\$2 station\$2 computer\$2) and (monitor\$4 statu\$2 live\$4) and (respon\$4 near5(cancel\$3 near2 time\$2)) and server\$2	USPAT	OR	OFF	2007/11/19 09:55
S53	88	(node\$2 peer\$2 client@2 gateway\$2 station\$2 computer\$2) and (monitor\$4 statu\$2 live\$4) and (respon\$4 near5(cancel\$3 near2 time\$2))	USPAT	OR	OFF	2007/11/20 13:38
S54	1	"6937597".pn.	USPAT	OR	OFF	2007/11/20 14:05
S55	1	"7065066".pn.	USPAT	OR	OFF	2007/11/20 14:05
S56	1	("6269080").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/21 11:22
S57	873	(period\$4 near5 indicat\$4) same (live\$4 status\$2) and time\$2 and (subsc\$5 client\$2)	US-PGPUB; USPAT	OR	OFF	2007/11/21 11:24
S58	510	S57 and @ad<"20030728"	US-PGPUB; USPAT	OR	OFF	2007/11/21 11:25
S59	361	S58 and (broke\$3 server\$2)	US-PGPUB; USPAT	OR	OFF	2007/11/21 11:26
S60	31	S59 and (multicast unicast)	US-PGPUB; USPAT	OR	OFF	2007/11/21 15:44
S61	0	2004/0161257	US-PGPUB; USPAT	OR	OFF	2007/11/21 15:44
S62	1	"20040161257"	US-PGPUB; USPAT	OR	OFF	2007/11/21 16:45
S63	1	"6937597".pn.	US-PGPUB; USPAT	OR	OFF	2007/11/21 16:48
S64	26	(client subscrib\$4) same liveness same indicat\$4	US-PGPUB; USPAT	OR	OFF	2009/02/18 11:48
S65	20	S64 and @ad<"20060729"	US-PGPUB; USPAT	OR	OFF	2009/02/18 11:49
S66	9	S64 and @ad<"20030729"	US-PGPUB; USPAT	OR	OFF	2009/02/18 11:50

## EAST Search History (Prior Art)

S67	3	"2003013349"	US-PGPUB; USPAT; DERWENT	OR	OFF	2009/02/19 11:51
S68	4037	designat\$4 same primary same (subscri\$3 client node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/19 13:50
S69	793	designat\$4 with primary with (subscri\$3 client node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/19 13:50
S70	1407	(assign\$4 designat\$4) with primary with (subscri\$3 client node)	US-PGPUB; USPAT; FPRS; JPO	OR	OFF	2009/02/19 13:50
S71	1396	(assign\$4 designat\$4) with primary with (subscri\$3 client node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S72	692	(designat\$4) with primary with (subscri\$3 client node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S73	529	(designat\$4) with primary with (subscri\$3 node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S74	218	(designat\$4) with primary adj3 (subscri\$3 node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S75	177	(designat\$4) with primary adj2 (subscri\$3 node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S76	102	(designat\$4) adj2 primary adj2 (subscri\$3 node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S77	97	S76 and @ad<"20060729"	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S78	2	S77 and liveness	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:52
S79	59	S76 and @ad<"20030729"	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:52
S80	2	S76 and liveness	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:52
S81	2	S69 and liveness	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:52
S82	2	S69 and liveness	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/19 13:58

## EAST Search History (Prior Art)

S83	787	S70 and @ad<"20030729"	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:59
S84	2	S83 and liveness	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:59
S85	439	S83 and status	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:59
S86	10	S83 and (active adj status)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:59
S87	389	(designat\$4) with primary with node	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:11
S88	389	S87 and @ad<"200300605"	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:12
S89	215	S87 and @ad<"20030605"	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:12
S90	158	(designat\$4) with primary adj2 node	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:12
S91	91	S90 and @ad<"20030605"	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:12
S92	0	S91 and liveness	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:14
S93	0	S91 and (active adj status)	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:14
S94	1	S91 and (active adj2 status)	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:14
S95	60	S91 and (status)	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:19
S96	11	(designat\$4) with primary adj2 node same status	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:19
S97	4	S96 and @ad<"20030605"	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:19
S98	61	(assign\$4 designat\$4) with primary with (subscri\$3 node) with (health indicat\$4)	US-PGPUB; USPAT; FPRS; JPO	OR	OFF	2009/02/19 14:44
S99	31	S98 and @ad<"20030605"	US-PGPUB; USPAT; FPRS; JPO	OR	OFF	2009/02/19 14:45